

## SEQUENCE LISTING

<110> Marx, Andreas  
 Summerer, Daniel  
 Rudinger, Nicolaus Zackes

<120> MUTATED DNA POLYMERASE WITH INCREASED MISPAIRING  
 DISCRIMINATION

<130> 630196.401USPC

<140> US 10/588,570

<141> 2005-02-04

<150> PCT/EP2005/050479

<151> 2005-02-04

<150> DE 102004005885.7

<151> 2004-02-05

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<170> PatentIn Ver. 2.1

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n=g, wildtype template; n=a, mutant template

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<210> 14  
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<220>  
<223> Wild type template of BRAF gene; w = t, wild type template;  
w = a, mutant template

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 dehydrogenase (DpyD) mutation G735A

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 r=a, mutant template

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<210> 18  
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 <223> Template of human acid ceramidase; r=a, wild type template;  
 r=g, mutant template

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 <223> Reverse primer for BRAF

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<210> 21  
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 w = t, BraFT (mutant)

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 aaacagtaga tctcattttc ctatcagagc aagcattatg aagagtttag gtaagagatc 180  
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<212> DNA  
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<220>  
 <223> Reverse primer for DpyDT

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<210> 24  
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 DpyDT (mutant)

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